

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

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CATEGORY: Air Sampling Smoke Detector

LISTEE: Vision Systems Inc., 35 Pond Park Rd., Hingham MA 02043
Contact: Wes Marcks (781) 740-2223 FAX (781) 740-4433

DESIGN: Models VLC-600 VESDA™ True Alarm Laser Compact air sampling smoke detector. Unit consists of resistors, capacitors, diodes, transistors, photodiodes, LED mounted on a printed wiring board inside an enclosure with an opening to the outside air via a pump. The pump draws in air which passes through a detector head using a laser. Unit is designed for smaller applications with a 5,000 square foot maximum coverage and contains a single inlet and outlet port. Refer to listee's data sheet for additional detailed product description and operational considerations.

RATING: 19-30 VDC

INSTALLATION: In accordance with listee's printed installation instructions, applicable codes & ordinances and in a manner acceptable to the authority having jurisdiction. Suitable for open area protection with a fire alarm setting set no less sensitivity than 0.625%/ft.

MARKING: Listee's name, model number, electrical rating, and UL label.

APPROVAL: Listed as an air sampling smoke detector for use with separately listed Simplex Models 4100/4120/4020 Series (CSFM Listed No. 7165-0026:160 and 178) fire alarm control units. Also, must communicate with the above panels with use of Simplex MAPNET or IDENET protocol(s) for communication. Refer to listee's Installation Instruction Manual for details.

10-07-03



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: **JUNE 22, 2004**

*Listing Expires **June 30, 2005***

Authorized By: **DIANE K. AREND, Senior Deputy
Program Manager**